




IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

42  
12-10-02

In re Application of: )  
Mehoj Ajbani, et al. )  
For: NANOCOMPOSITES OF ELASTOMERS )  
AND DISPERSION THEREIN OF )  
INTERCALATED CLAY PREPARED IN AN )  
AQUEOUS MEDIUM WITH FUNCTIONALIZED )  
ELASTOMER )  
Serial No.: 10/037,009 )  
Filing Date: December 21, 2001 )

Docket No. DN2001233  
Art Unit: 1714  
Examiner:

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DISCLOSURE UNDER 37 C.F.R. 1.56

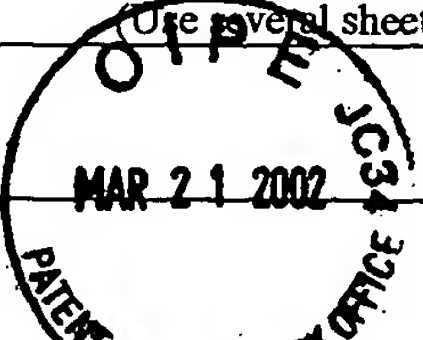
The material listed on accompanying PTO Form-1449 is cited in compliance with the provisions of 37 C.F.R. Sections 1.56, 1.97, and 1.98. As to any materials supplied which the Examiner may desire to consider with respect to the above referenced patent application, Applicants do not admit that it is "prior art" under 35 U.S.C. Sections 102 and 103 and specifically reserve the right to antedate such material, as by a showing under 37 C.F.R. Section 1.131 or other method.

Applicants submit that none of the above cited references derogates from the patentability of the invention described and claimed in the subject patent application.

Respectfully submitted,

  
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<b>FORM PTO-1449</b> <b>U.S. DEPARTMENT OF COMMERCE</b> <b>PATENT AND TRADEMARK OFFICE</b> <b>INFORMATION DISCLOSURE</b> <b>STATEMENT BY APPLICANT</b> (Use several sheets if necessary)		<b>ATTY DOCKET NO.</b> DN2001233	<b>SERIAL NO.</b> 10/037,009
		<b>APPLICANT (S)</b> Manoj Ajbani, et al.	
		<b>FILING DATE</b> December 21, 2001	<b>GROUP</b> 1714

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### U.S. PATENT DOCUMENTS


Examiner Initial	Document Number	Date	Name	Class	Sub-Class	Filing Date if Appropriate
	2 5 3 1 4 2 7	Nov. 28, 1950	Hauser	260	448	
	2 5 3 1 4 4 0	March 29, 1947	Jordan	252	28	
	3 9 7 1 7 4 6	July 27, 1976	Hiral, et al.	260	29.7	
	4 5 6 9 9 2 3	Feb. 11, 1986	Knudson, Jr., et al.	501	148	
	4 7 3 9 0 0 7	April 19, 1988	Okada, et al.	524	789	
	4 8 1 0 7 3 4	March 7, 1989	Kawasumi	523	216	
	4 8 8 2 0 9 0	Nov. 21, 1989	Batzill, et al.	252	511	
	5 0 3 4 4 7 0	July 23, 1991	Geiser, et al.	525	360	
	5 1 1 0 5 0 1	May 5, 1992	Knudson, Jr., et al.	252	315.2	
	5 3 3 4 2 4 1	Aug. 2, 1994	Jordan	106	487	
	5 3 8 5 7 7 6	Jan. 31, 1995	Maxfield, et al.	524	413	
	5 5 5 2 4 6 9	Sept. 3, 1996	Beall, et al.	524	445	
	5 5 7 8 6 7 2	Nov. 26, 1996	Beall, et al.	524	446	
	5 7 2 1 3 0 6	Feb. 24, 1998	Tsipursky, et al.	524	449	
	5 8 4 0 7 9 6	Nov. 24, 1998	Badesha, et al.	524	449	
	5 8 8 3 1 7 3	March 16, 1999	ElsPASS, et al.	524	446	
	6 1 2 4 3 6 5	Sept. 26, 2000	Lan, et al.	516	101	

### FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Country	Class	Sub-Class	Translation YES NO
	1 0 2 9 8 2 3	Aug. 23, 2000	EPO	C01B	33/44	X

### OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Examiner Initial	
	"Preparation and Characterization of Rubber-Clay Nanocomposites", authored by Wang, et al, and published in the <u>Journal of Applied Polymer Science</u> , Vol. 78, in 2000. Pages 1879-1883.
	"Introduction: From Clay Mineral-polymer Interactions to Clay Mineral-polymer Nanocomposites" authored by Lagaly and published in <u>Applied Clay Science</u> , 15 (1999). Pages 1-9.
EXAMINER	DATE CONSIDERED:

<b>FORM PTO-1449</b> <b>U.S. DEPARTMENT OF COMMERCE</b> <b>PATENT AND TRADEMARK OFFICE</b> <b>INFORMATION DISCLOSURE</b> <b>STATEMENT BY APPLICANT</b> (Use several sheets if necessary)	<b>ATTY DOCKET NO.</b> DN2001233	<b>SERIAL NO.</b> 10/037,009
		
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**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

<b>Examiner Initial</b>	
	"General Approach to Nanocomposite Preparation", authorized by Ishida, et al. and published by <u>Chem. Material</u> , 2000. Pages 1260-1267.
	"Reinforcement of SBS by Organophilic Clay Fillers" authorized by Galanti, et al. and published in <u>Rohstoffe Und Anwendungen</u> , 1/99. Pages 21-25.
	"Synthesis and Characterization of PMMA Nanocomposites by Suspension and Emulsion Polymerization" authorized by Huang, et al., and published on the Web on April 13, 2001. Pages 3255-3260.
<b>EXAMINER</b>	<b>DATE CONSIDERED:</b>

**Examiner:** Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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